



Form PTO-1449 U.S. Department of Commerce
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Atty. Docket No.

Serial No.

51185-236984

10/006865

Applicant

TIMOTHY M. SCHAEFER

Filing Date

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December 4, 2001

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
✓	6,229,683	05/08/2001	Goodwin-Johansson			
	6,160,230	12/12/2000	McMillan et al.			
	6,153,839	11/28/2000	Zavracky et al.			
	6,143,997	11/07/2000	Feng et al.			
	6,133,670	10/17/2000	Rodgers et al.			
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Name	Document Number	Date	Country	Class	Subclass	Translation Yes/No
✓	0892419	01/20/1999	EP			
✓	0751546	01/02/1997	EP			
✓	01/01434	01/04/2001	PCT			

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✓	Koester et al., "MUMPS Design Handbook", Revision 6.0, pp. 1-9 (2001)
✓	Kruglick et al., "Lateral MEMS Microcontact Considerations", Journal of Microelectromechanical Systems, Vol. 8 No. 3, pp. 264-271 (1999)
✓	Muldavin et al., "Novel Series and Shunt MEMS Switch Geometries for X-Brand Applications", 30 th European Microwave Conference - Paris, pp. 260-263 (2000)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>KA</i>	Rizk et al., "Design of X-Band MEMS Microstrip Shunt Switches" 30 th European Microwave Conference - Paris, pp. 20-23 (2000)
	Schaffner et al., "RF MEMS Switches for Tunable Filters and Antennas (Invited)" Micro Opto Electro Mechanical Systems - MOEMS, pp. 244-249 (1999)
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	Name	Document Number	Date	Country	Class	Subclass	Translation Yes/No

		Rizk et al., "High-Isolation W-Band MEMS Switches", IEEE Microwave and Wireless Components Letters, Vol. 11, No. 1, pp. 10-12 (2001)
		Ponchak et al., "Microelectromechanical Switches for Phased Array Antennas" IEEE Antennas and Propagation Society International Symposium, Vol. 4, pp. 2230-2233 (2000)
		Tang et al., "Laterally Driven Polysilicon Resonant Microstructures," <i>Sensors and Actuators</i> , vol. 20, pp. 25-32, 1989
		Tang, "Electrostatic Comb Drive for Resonant Sensor and Actuator Applications," Ph.D. dissertation for University of California at Berkeley, 1990

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		Hirano, et al. "Design, Fabrication and Operation of Submicron Gap Comb-Drive Microactuators," <i>IEEE Journal of Microelectromechanical Systems</i> , vol. 1, pp. 52-59, Mar. 1992
		Jaecklin, et al., "Comb Actuators for XY-Microstages," <i>Sensors and Actuators A</i> , vol. 39, pp. 89-89, 1993
		Legtenberg, et al. "Comb-Drive Actuators for Large Displacements," <i>Journal of Micromechanics and Microengineering</i> , vol. 6, pp. 320-329, 1996

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